

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,963,448 B1  
APPLICATION NO. : 09/714266  
DATED : November 8, 2005  
INVENTOR(S) : Shingo Hayakawa

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,  
Item [56], References Cited, OTHER PUBLICATIONS,  
"Using" should read -- Use --.

Column 1,  
Line 49, "utilizes" should read -- utilize --.

Column 9,  
Line 58, "two" should read -- two --.

Column 11,  
Line 41, " $D2 \leq P/\sqrt{2}$ " should read --  $D2 \leq P/2$  --.

Column 15,  
Line 28, "shows" should read -- show --;  
Line 59, "optical imaged" should read

-- optical low-pass filter 2 of the first embodiment. Note that the long side direction of the optical low-pass filter 102 substantially agrees with that of the image sensing element.

Fig. 7B shows the optical low-pass filter 102 of this embodiment viewed from a "7B" view direction in Fig. 7A, and Fig. 7C is a partially enlarged view of Fig. 7B. In Figs. 7B and 7C, z1 represents the z-axis of the birefringence plate 121, and the z-axis z1 of the birefringence plate 121 and the normal to the entrance/exit surface of the optical low-pass filter 102 make an angle  $\theta_1$ , as shown in Fig. 7C. In this embodiment,  $\theta_1 = 15^\circ$ . Fig. 7D shows the optical low-pass filter 102 of this embodiment viewed from a "7D" view direction in Fig. 7A, and Fig. 7E is a partially enlarged view of Fig. 7D. In Figs. 7D and 7E, z2 represents the z-axis of the birefringence plate 122, and the z-axis z2 of the birefringence plate 122 and the normal to the entrance/exit surface of the optical low-pass filter 102 make an angle  $\theta_2$ , as shown in Fig. 7E. In this embodiment,  $\theta_2 = 35^\circ$ . Furthermore, thicknesses d1 and d2 of the birefringence plates 121 and 122 are respectively  $d1 = 0.30$  mm and  $d2 = 0.30$  mm.

In the optical low-pass filter 102 of this embodiment, since the birefringence plates 121 and 122 are arranged in this manner, extraordinary rays are imaged. --; and

Line 63, "angle e" should read -- angle  $\theta$  --.

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Column 16,

Lines 19-41, should be deleted; and  
Line 42, "this manner, extraordinary rays are" should be deleted.

Column 19,

Line 9, "ant-" should read -- anti- --.

Column 24,

Line 63, " $D1 \cong D3 > 2$ " should read --  $D1 = D3 > D2$  --.

Column 25,

Line 34, "comprising" should read -- comprises --.

Column 26,

Line 8, " $D1 \cong D3 > 2$ " should read --  $D1 = D3 > D2$  --.

Line 26, "are" should read -- is --.

Signed and Sealed this

Eighteenth Day of July, 2006

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*